

Figure 1

START

Replace all multi-output nodes

Determine candidate sub-network
for replacement

Identify set F of
logic functions realized by S

Are there alternative
implementations of F in
the database?

Compute costs of alternatives

Any alternative
acceptable?

Exchange

Stop criteria
reached?

END

Figure 2

2016-05-19 10:54:50

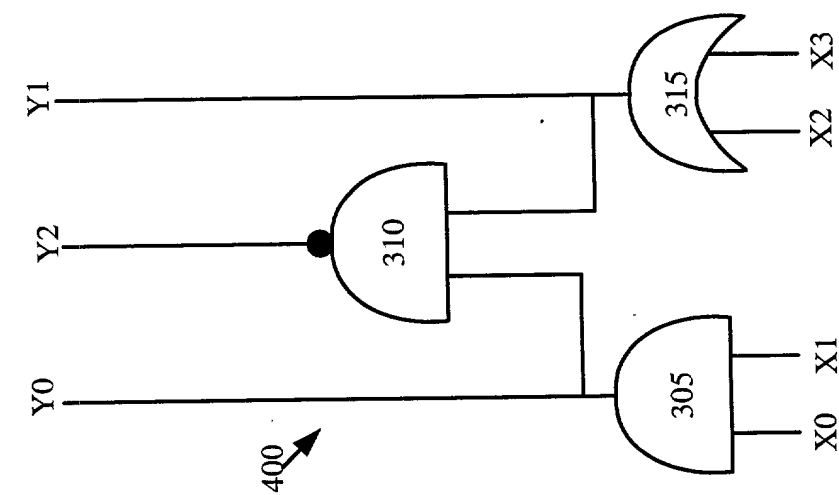


Figure 4

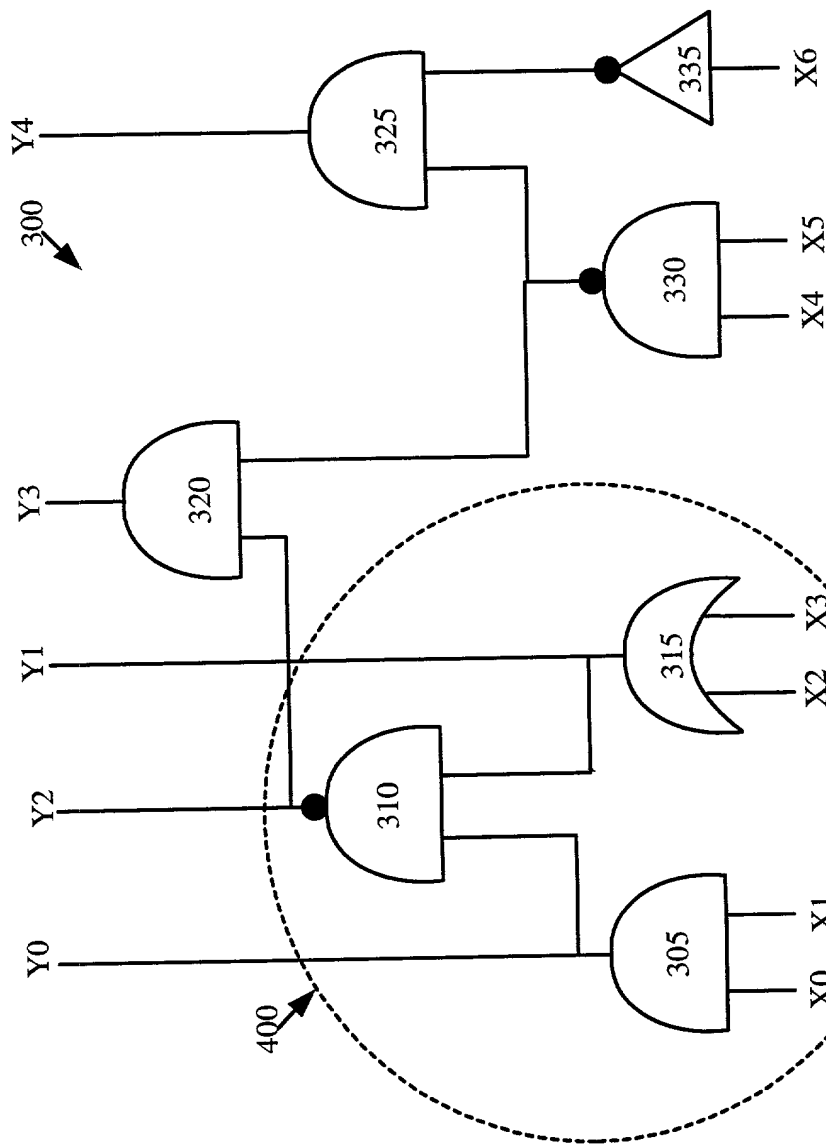


Figure 3

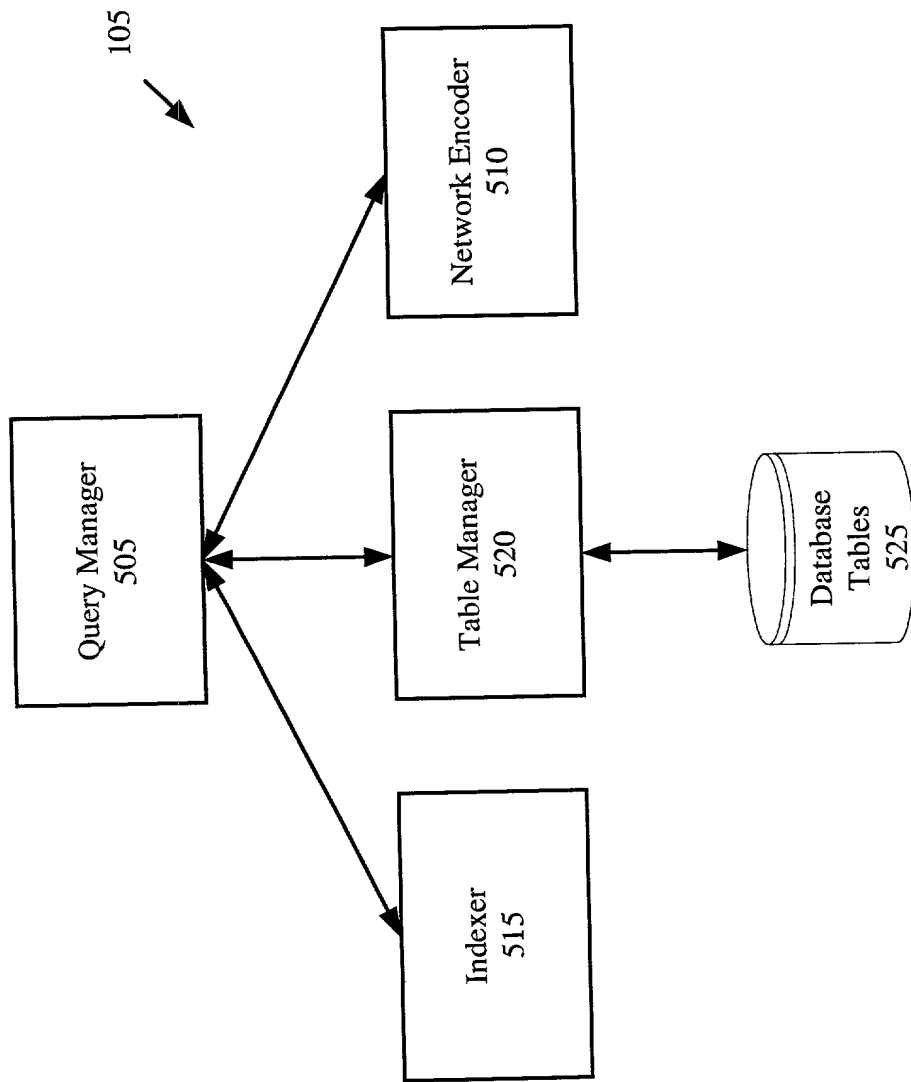


Figure 5

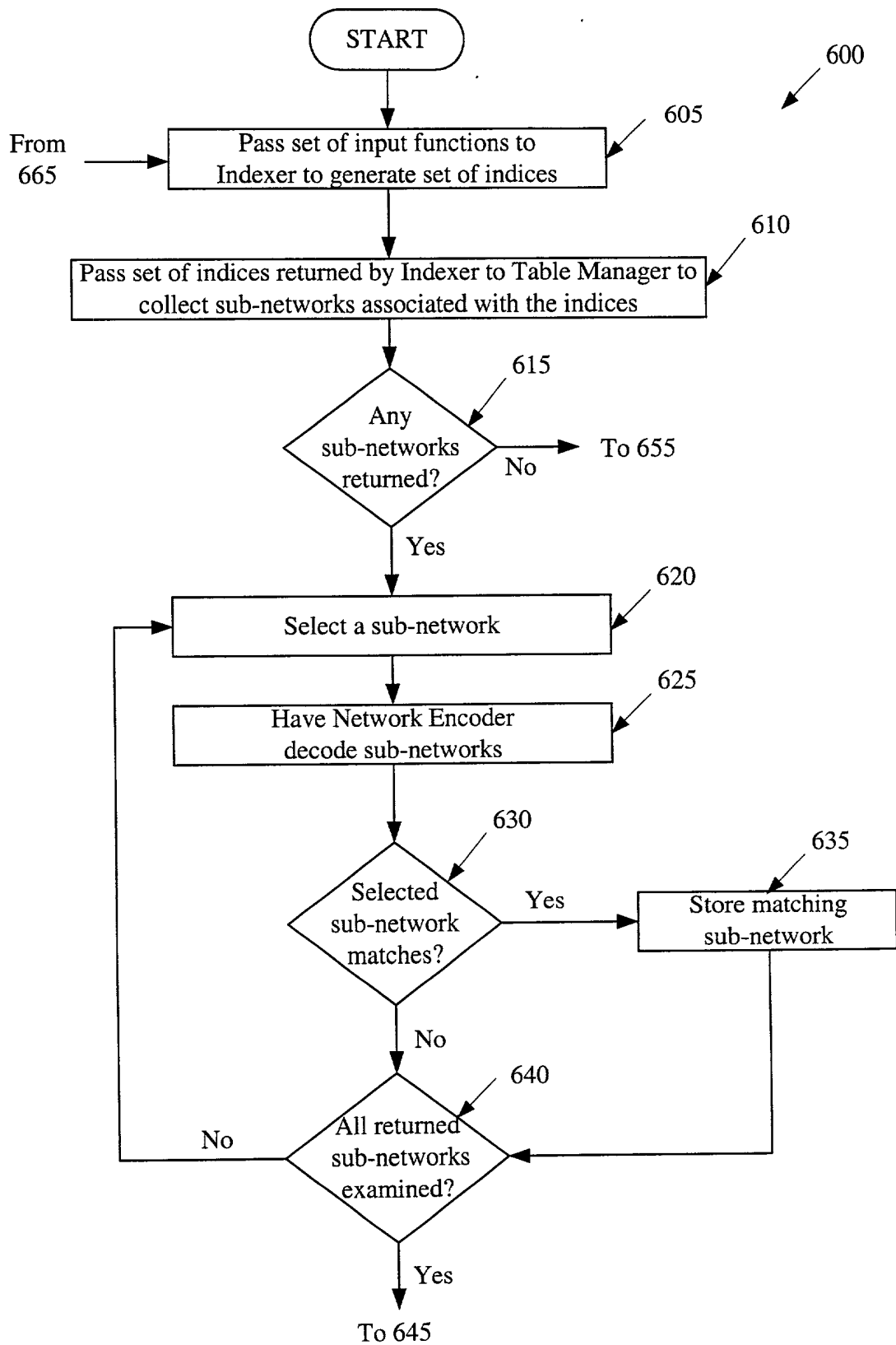


Figure 6A

Figure 6: Figure 6A
Figure 6B

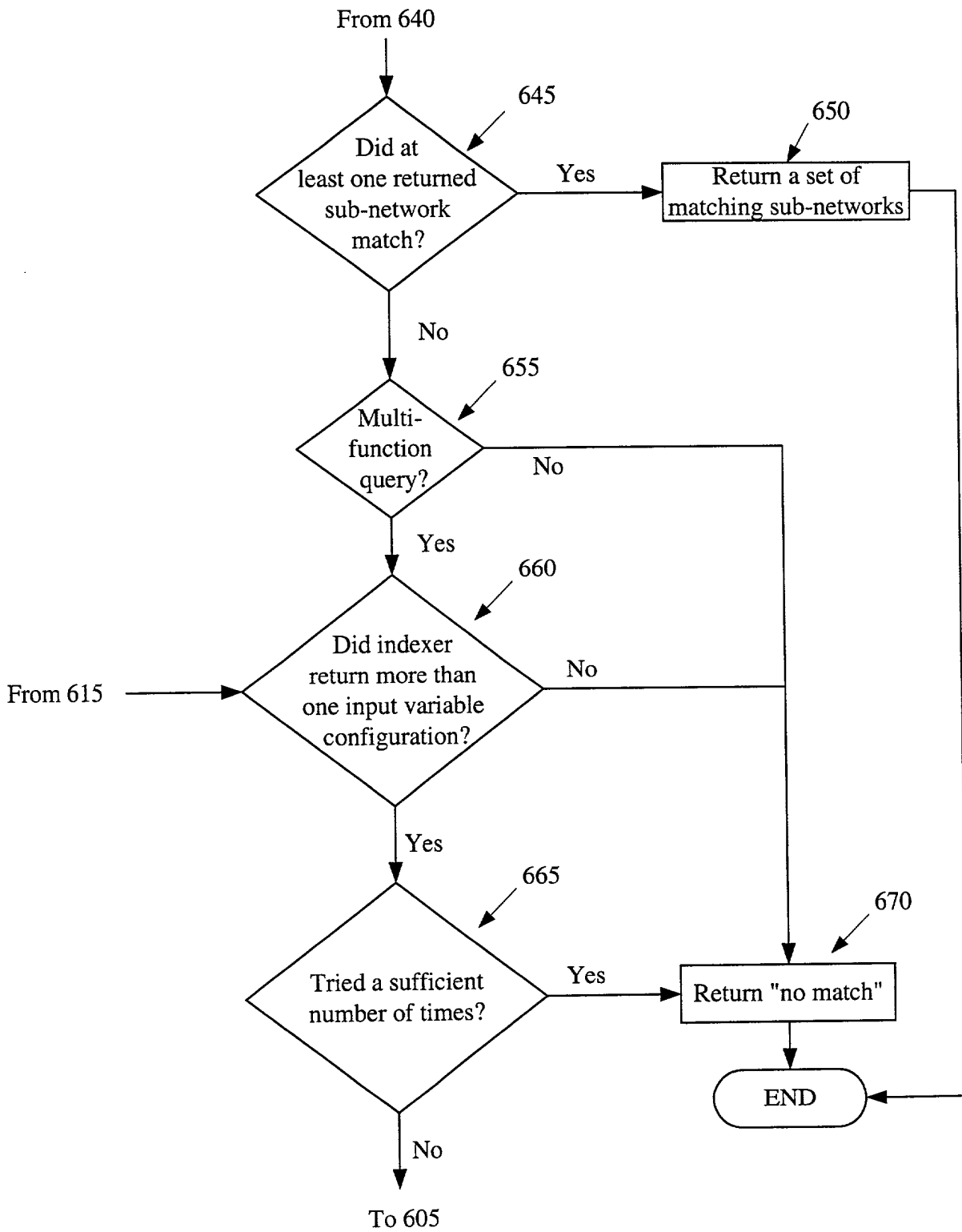


Figure 6B

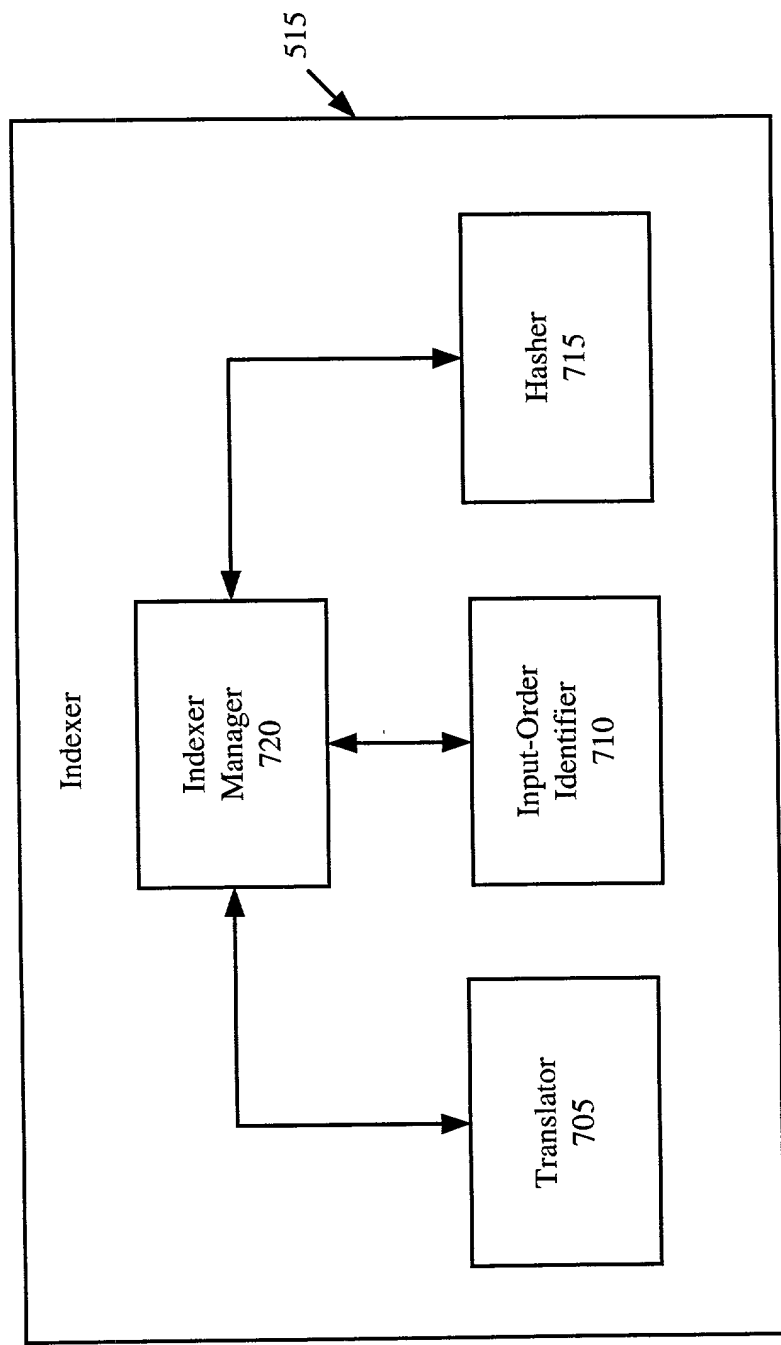


Figure 7

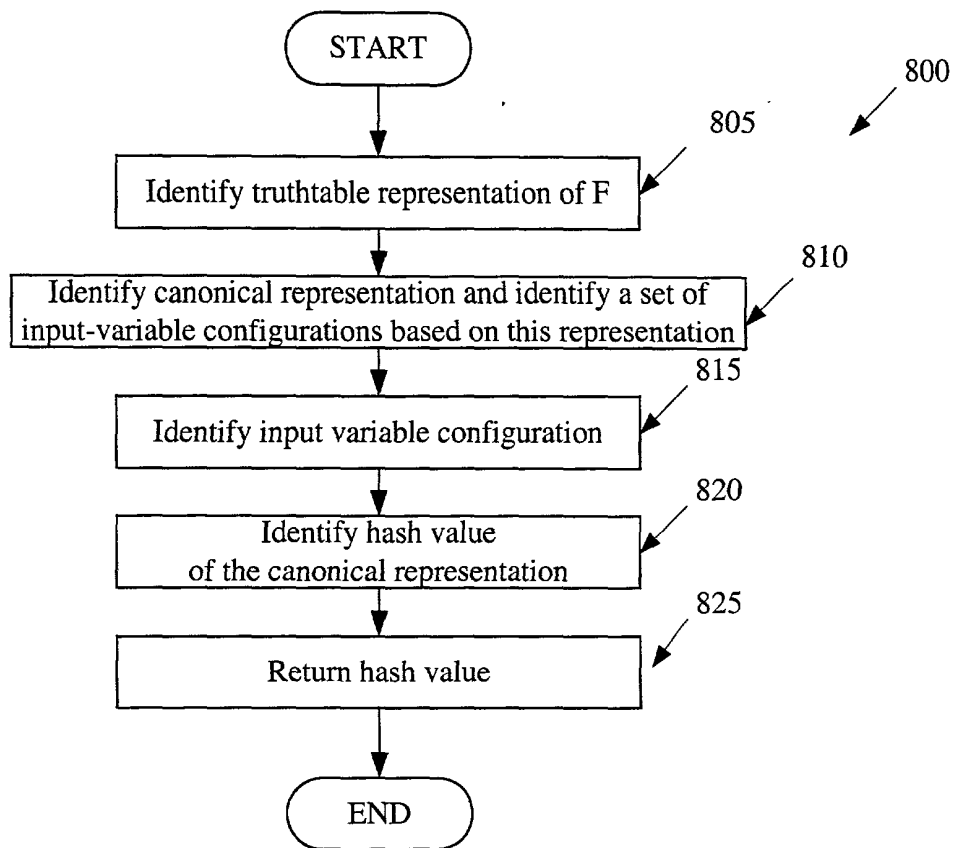


Figure 8

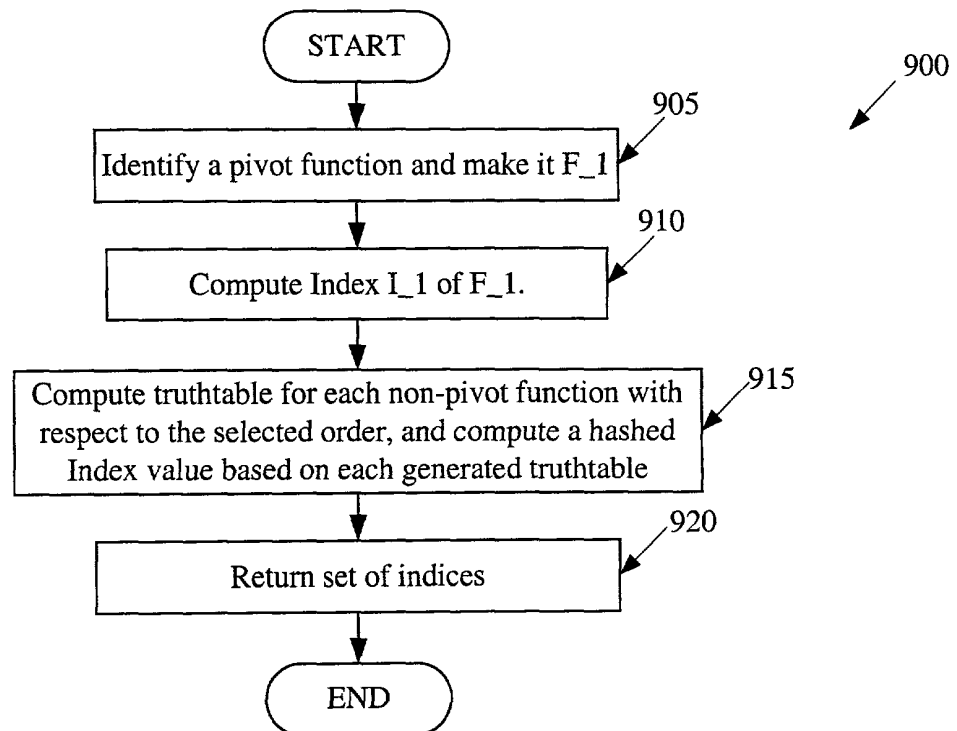


Figure 9

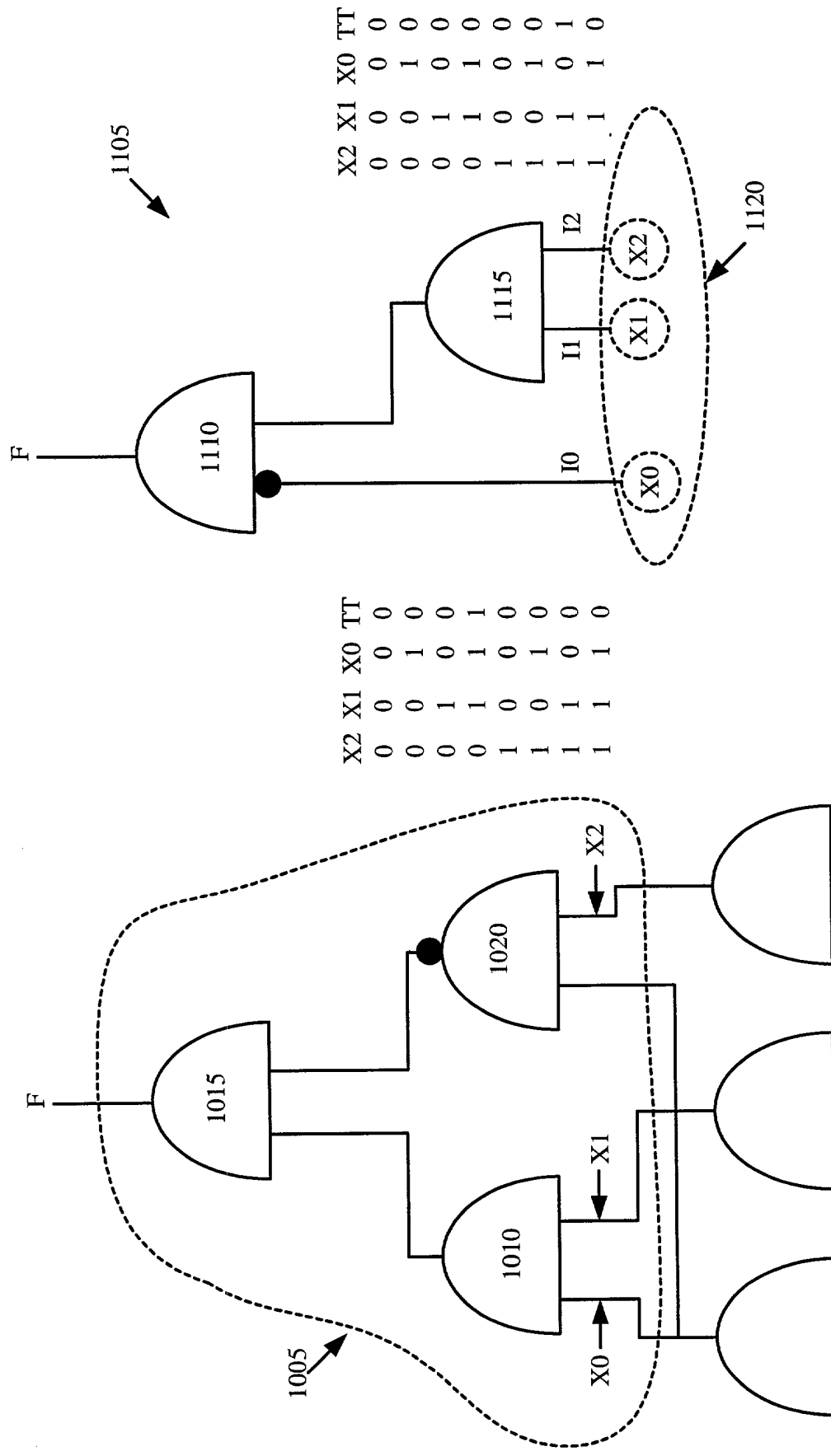


Figure 11

Figure 10

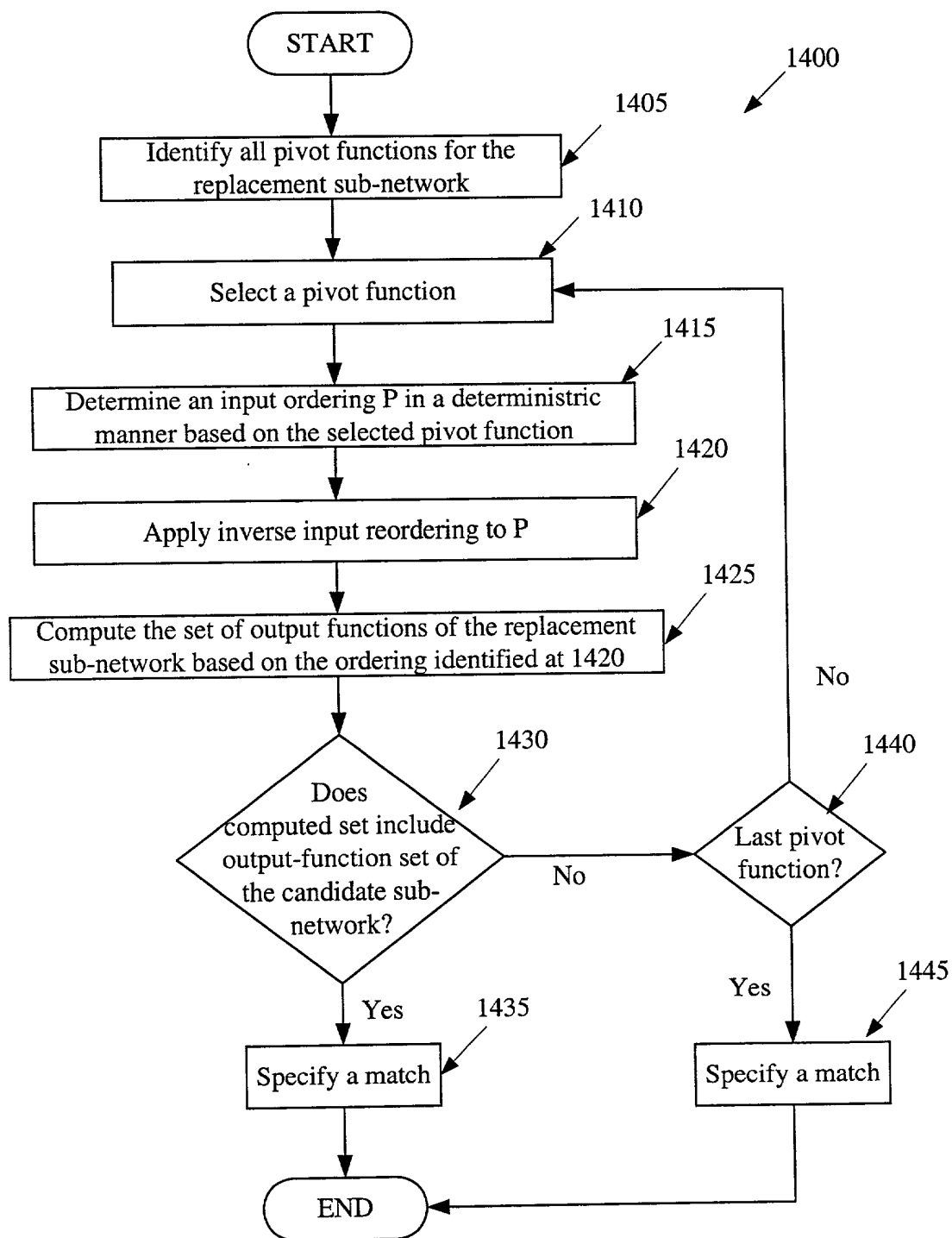


Figure 14

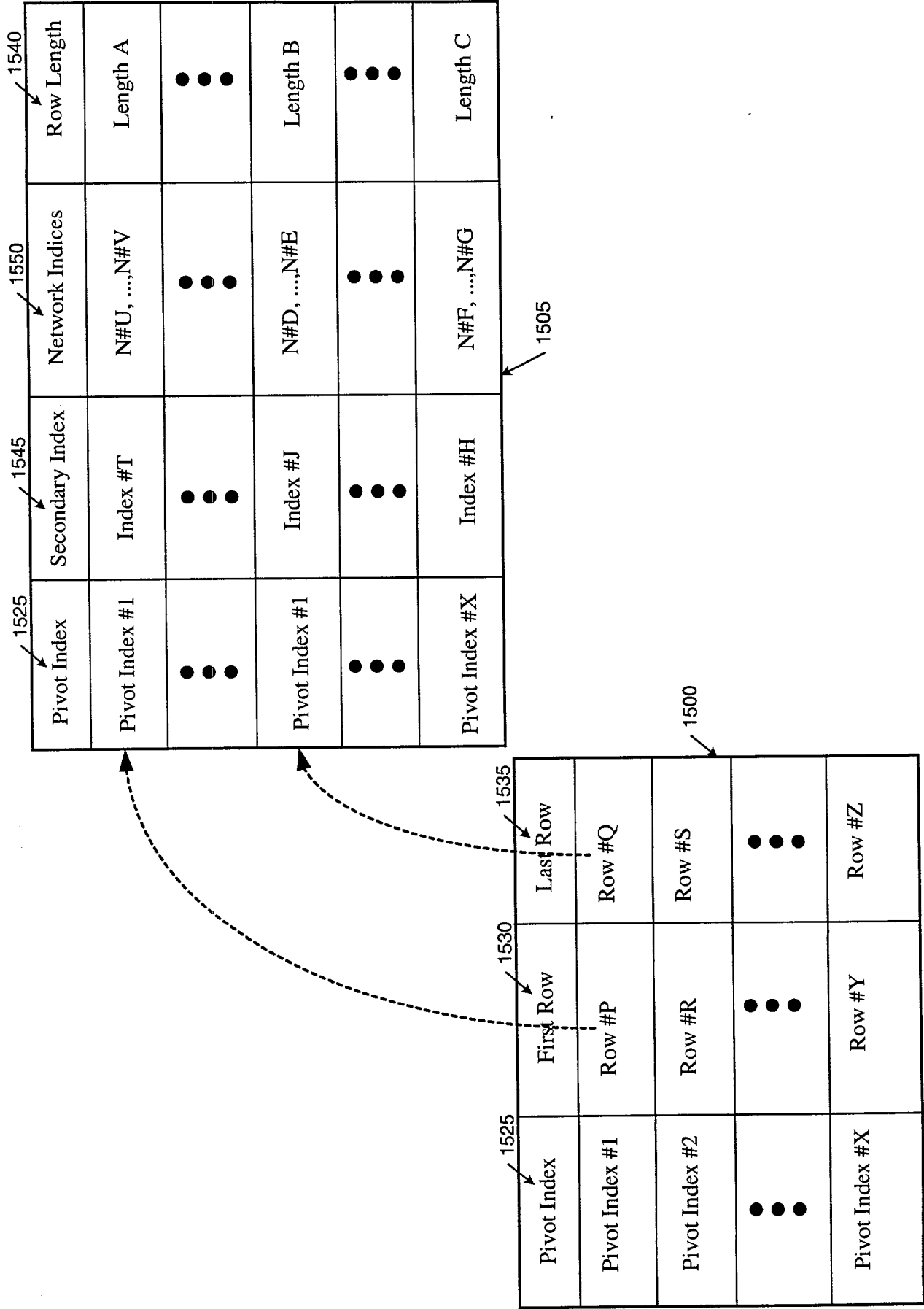
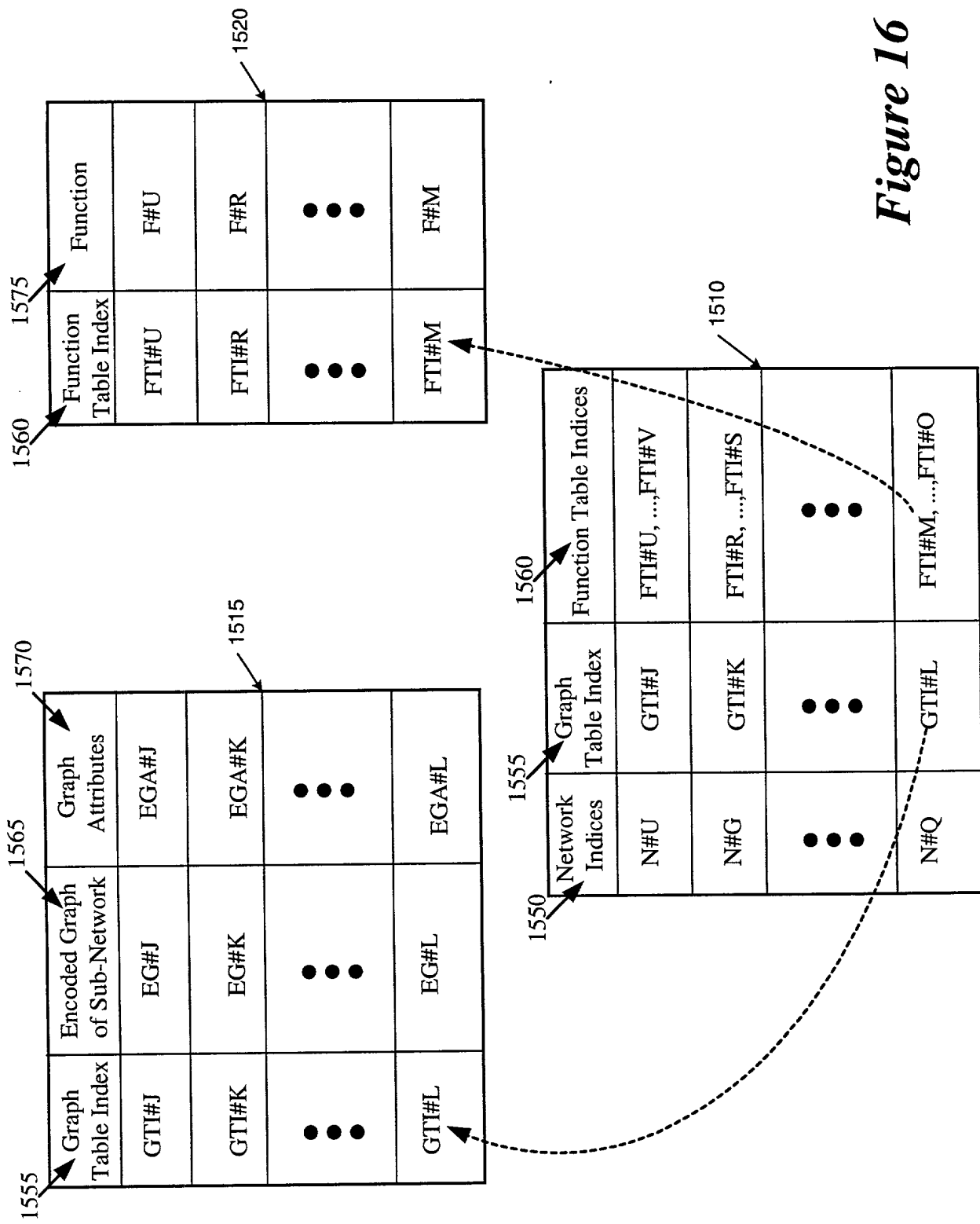


Figure 15



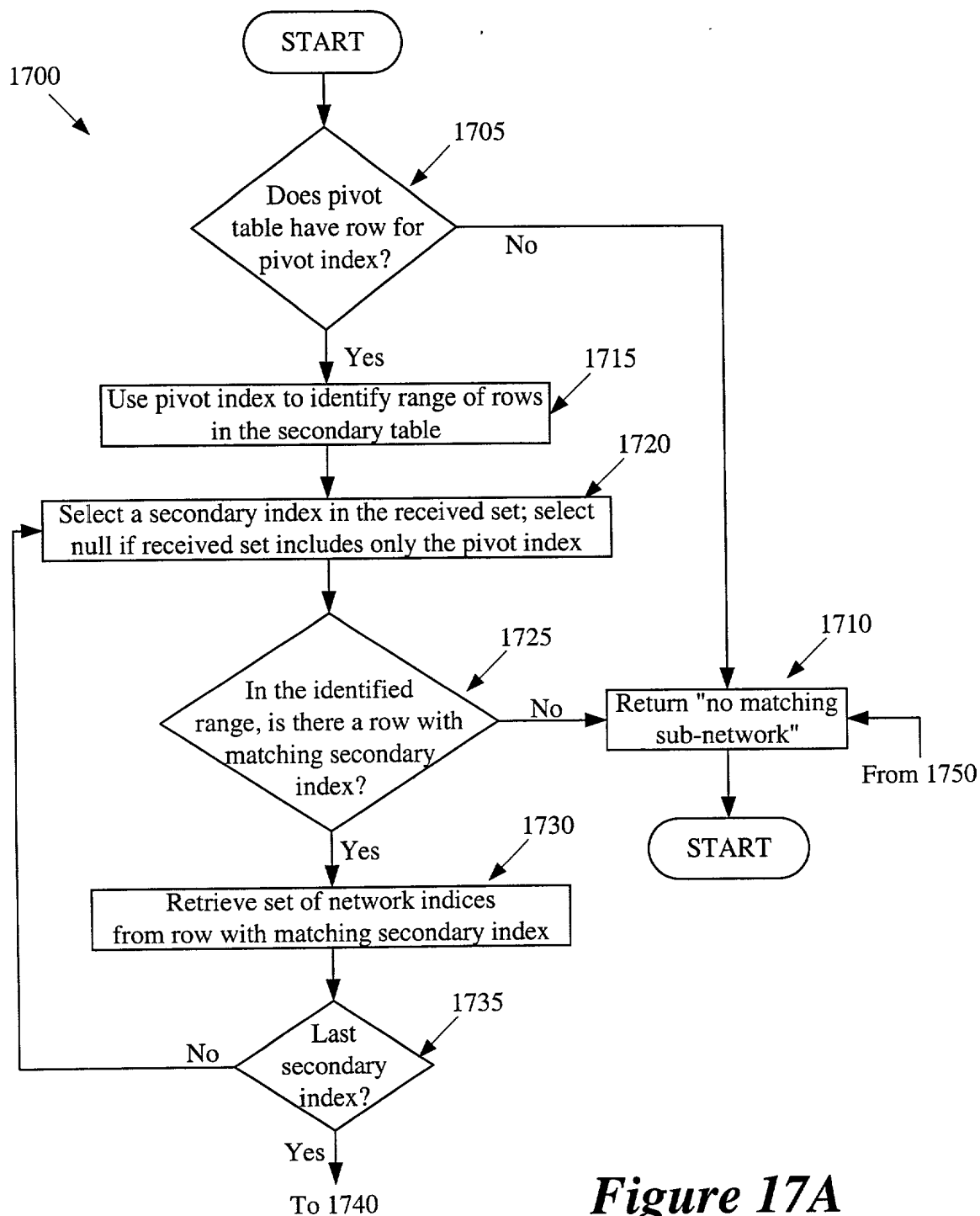


Figure 17A

Figure 17: Figure 17A
Figure 17B

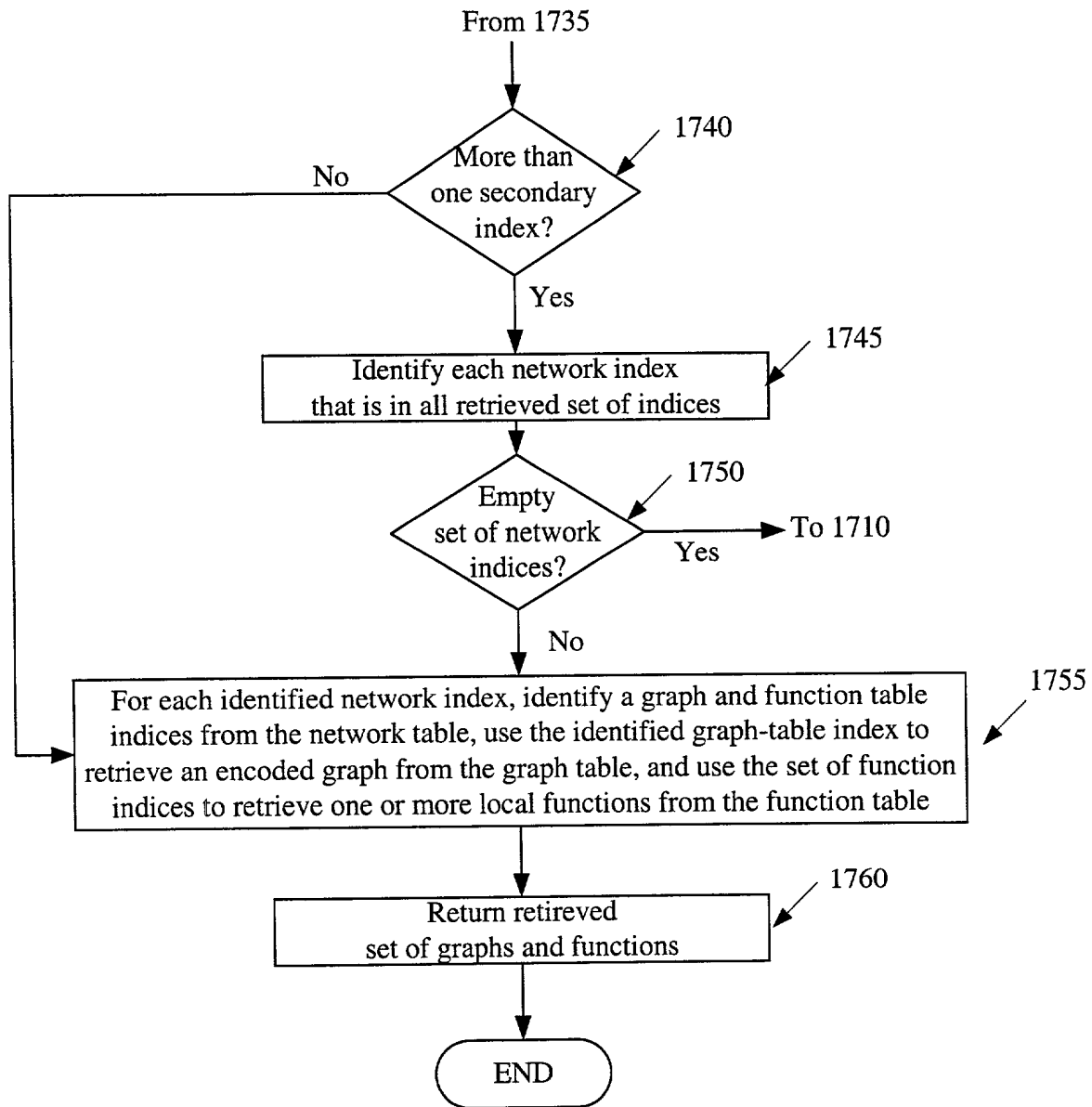


Figure 17B

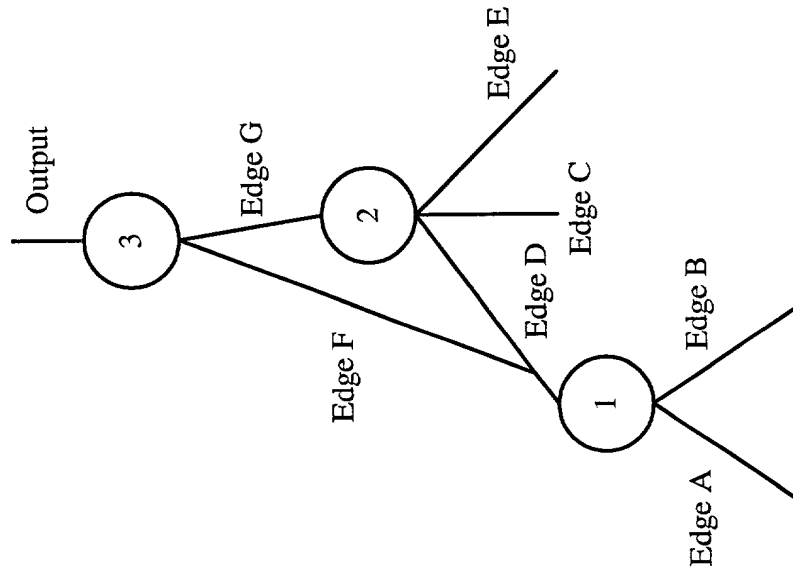


Figure 18

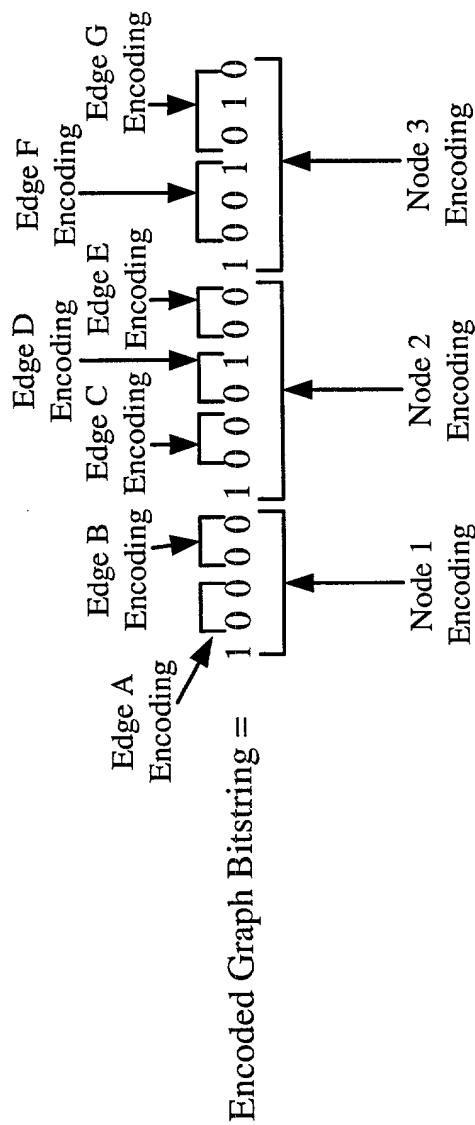


Figure 19

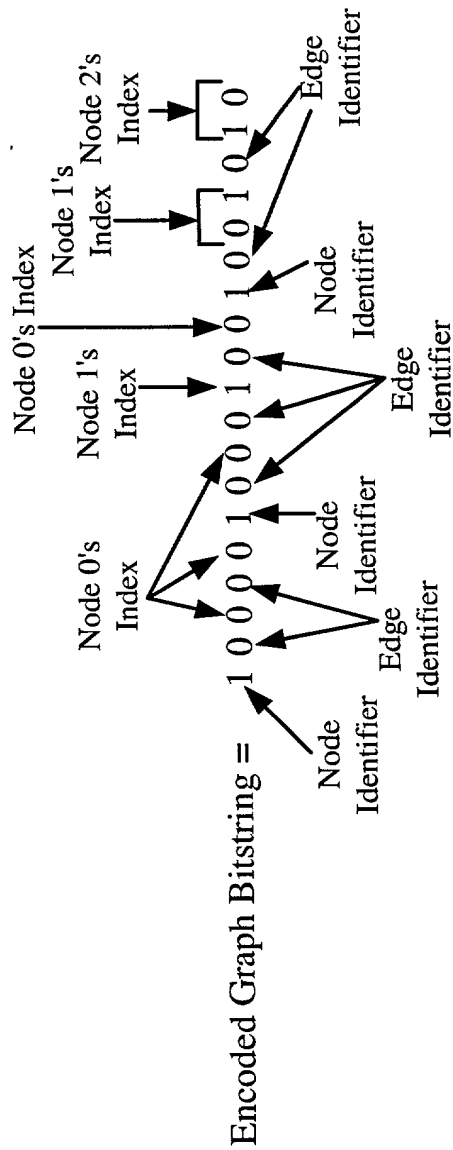


Figure 20

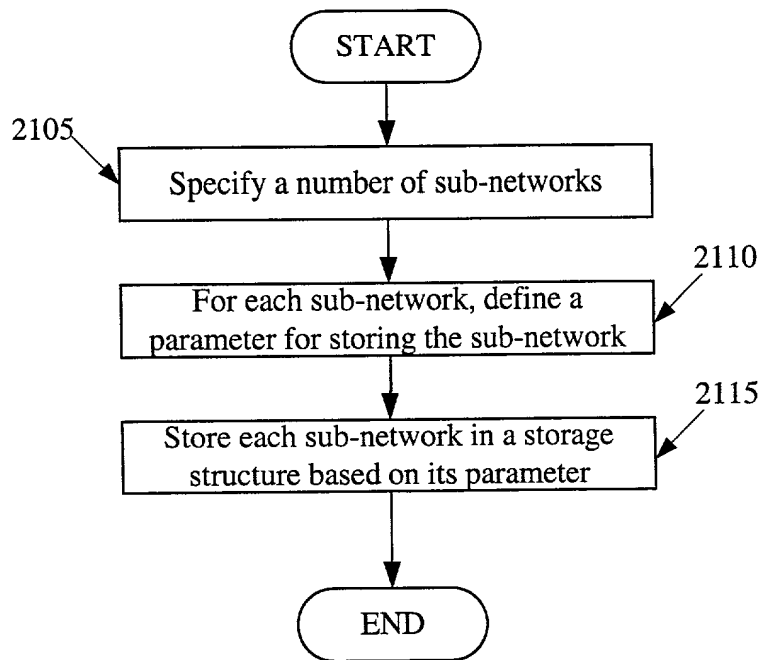


Figure 21

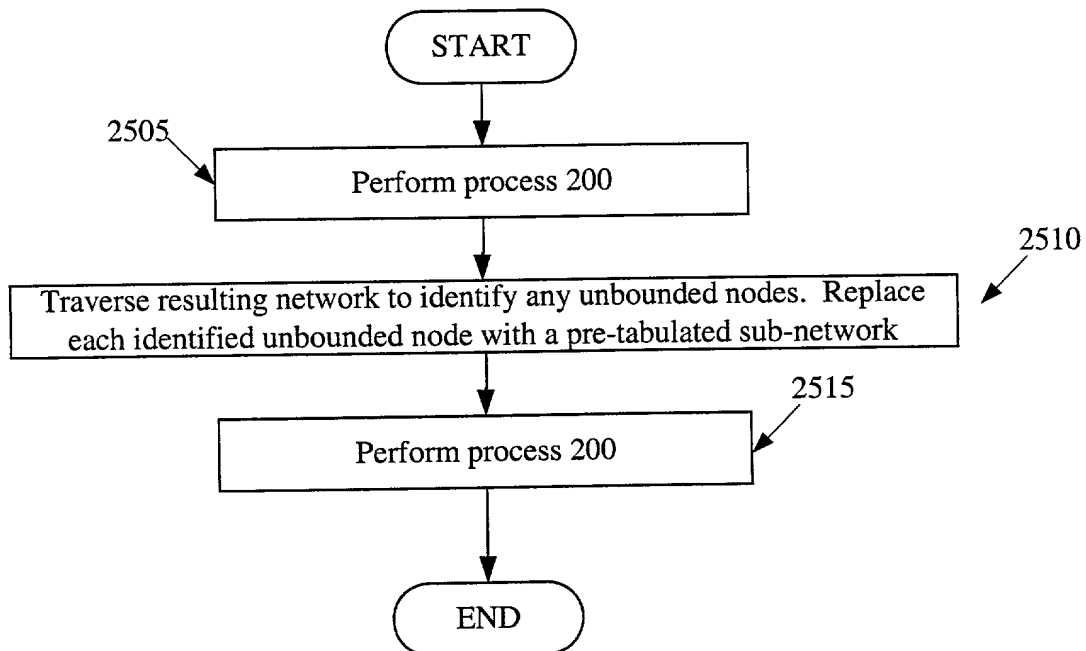


Figure 25

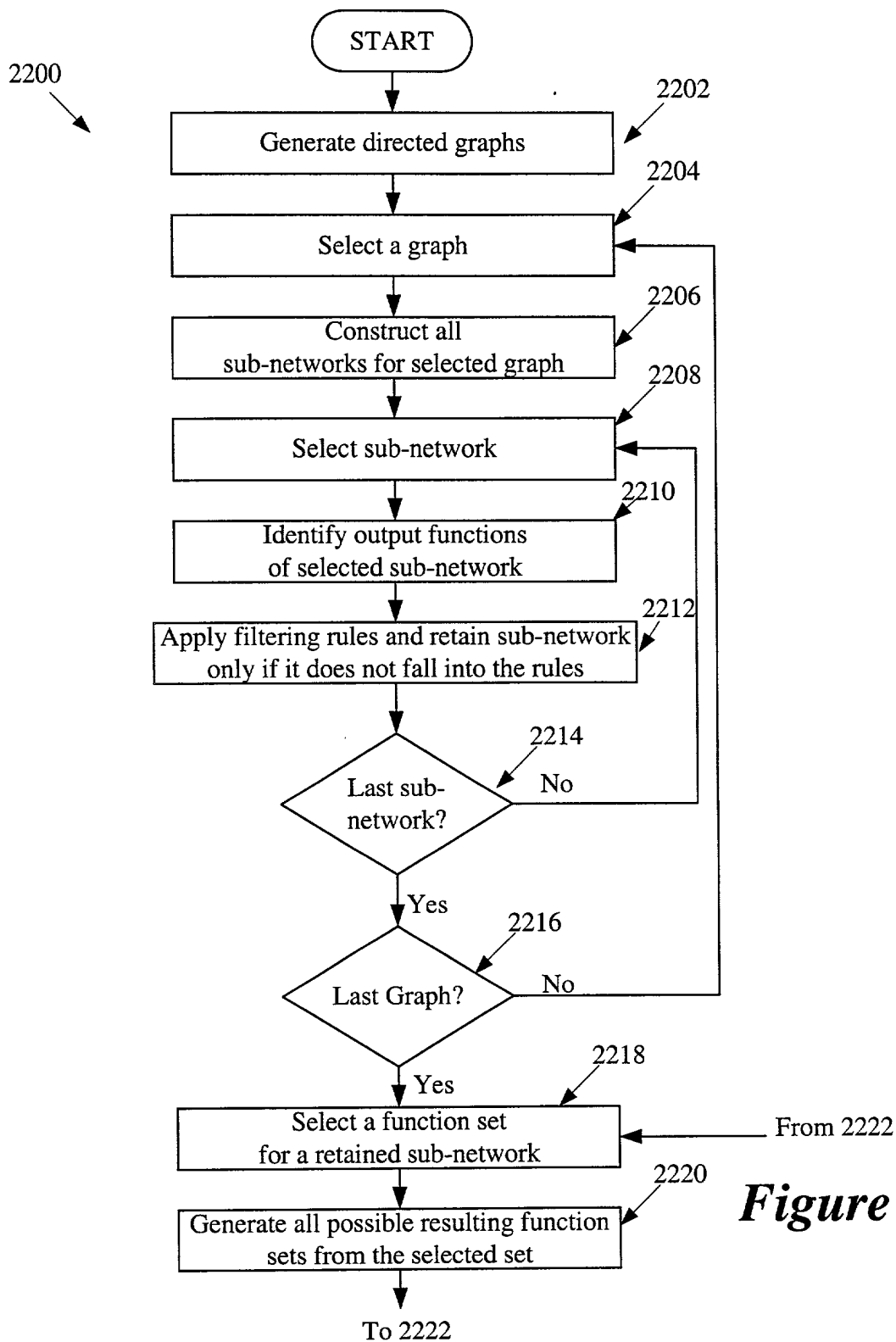


Figure 22A

Figure 22: Figure 22A
Figure 22B
Figure 22C

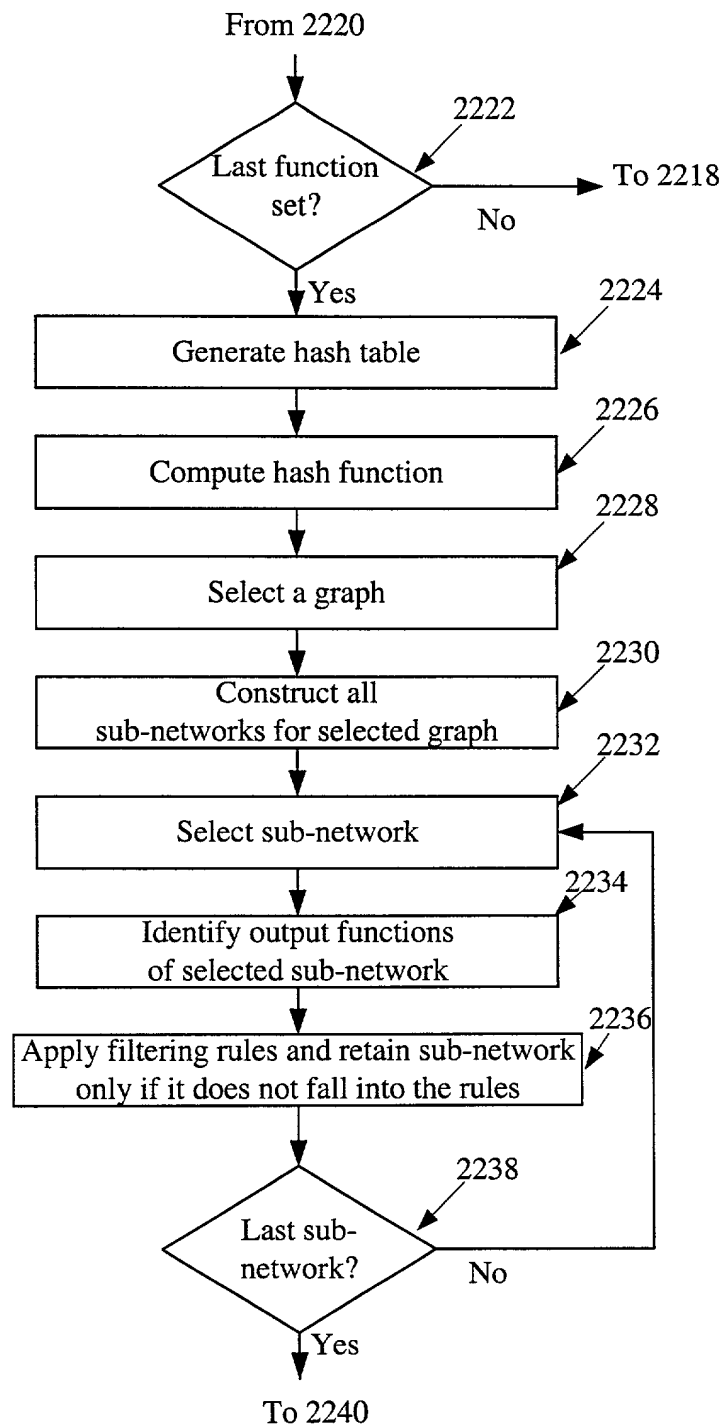


Figure 22B

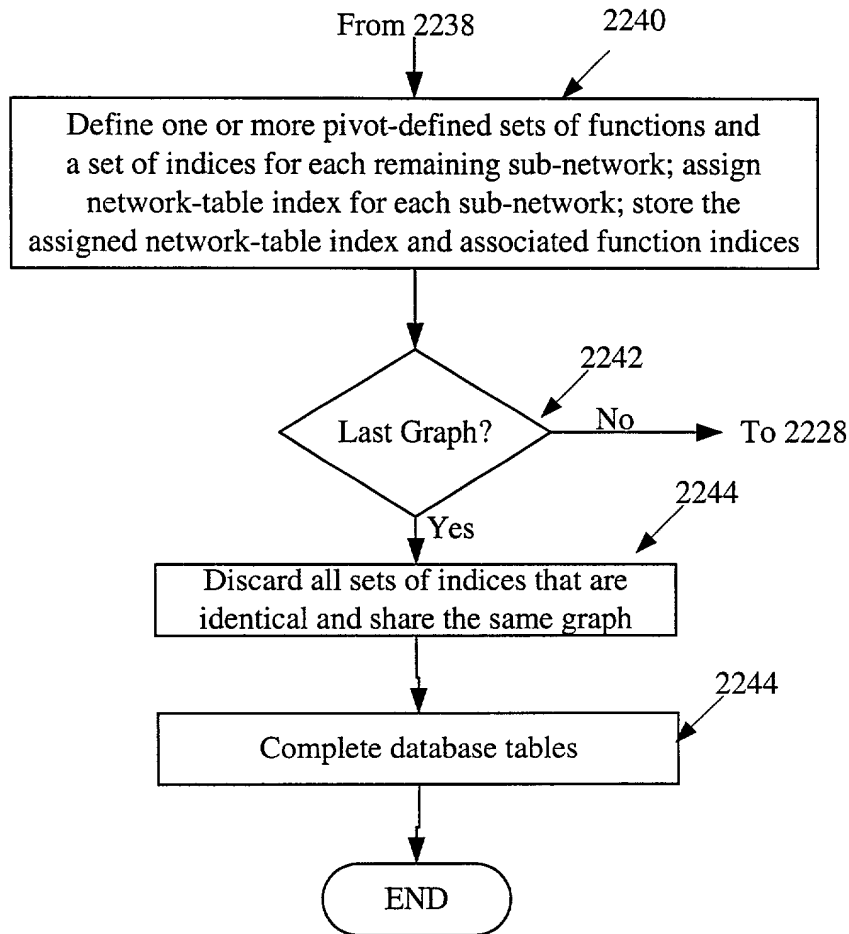


Figure 22C

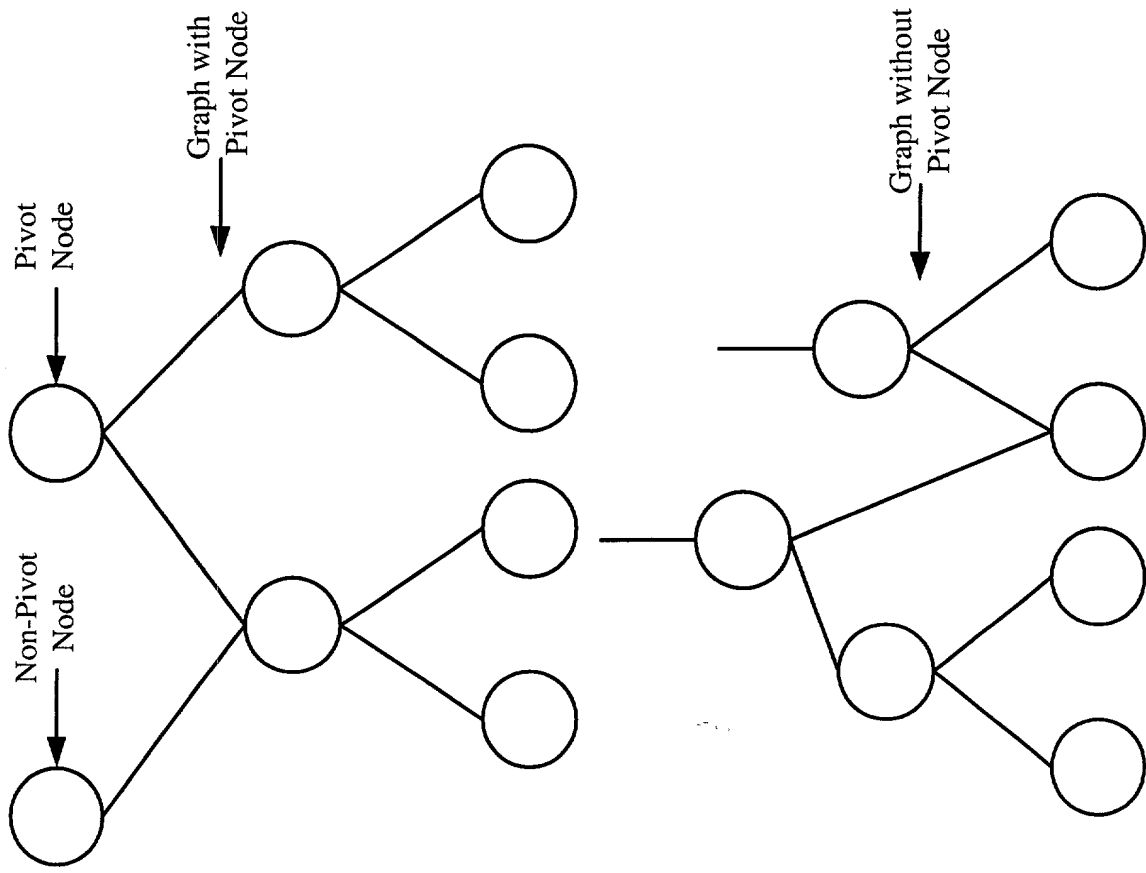


Figure 23

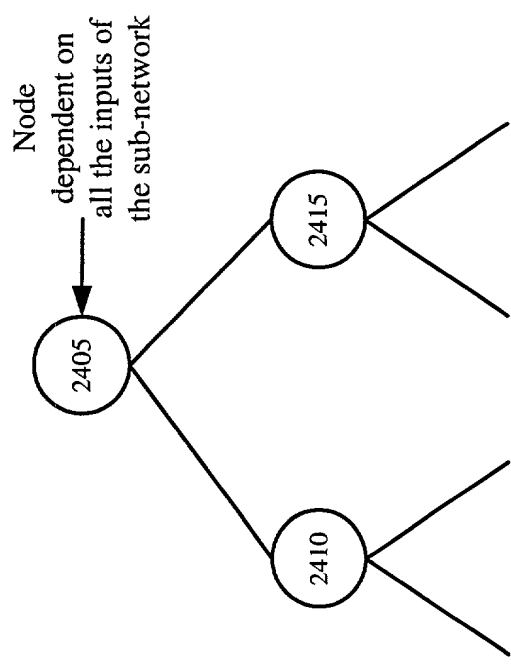


Figure 24

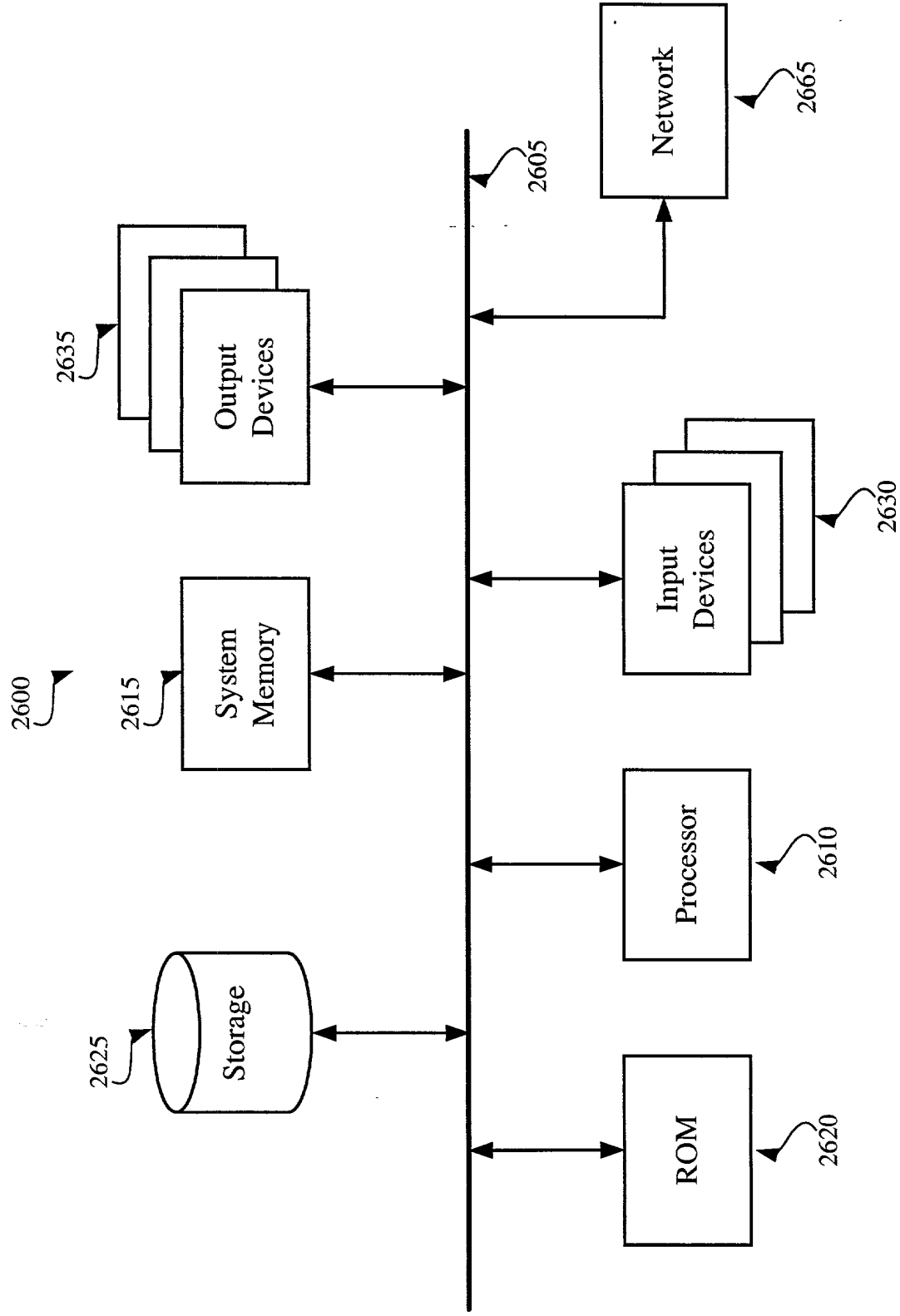


Figure 26